

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Belford T. Coursey

Serial No.: 10/658,867

Filed: September 8, 2003

For: **SELECTIVE HEMISPHERICAL** 

SILICON GRAIN (HSG) INHIBITOR

FOR USE DURING THE MANUFACTURE OF A SEMICONDUCTOR DEVICE

§ Group Art Unit: 2822

Examiner: Mark V. Prenty

Atty. Docket: 2001-1018.01/US

Confirmation No.: 5172

Mail Stop Amendment Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

## Certificate of Mailing (37 CFR §1.8)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on the date below:

March 3, 2006

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Date

Murri Helmo Signature

## RESPONSE TO THE OFFICE ACTION OF DECEMBER 5, 2005

Please enter the following in response to the office action mailed December 5, 2005.

PTO/SB/17 (01-06)

Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

| FEE TRANSMITTAL FOR FY 2006  Applicant claims small entity status. See 37 CFR 1.27  TOTAL AMOUNT OF PAYMENT  (5)  Other (please identify):  Check Credit Card Money Order None Other (please identify):  | A Particle Paperwork Reduction Act of 1995 no persons are required to re   |           |                         |          | espond to a collection of information unless it displays a valid OMB control number  Complete if Known |       |                 |                |  |
|--|--|-----------|-------------------------|----------|--|-------|-----------------|----------------|--|
| Filing Date   September 8, 2003   Filing Date   September 8, 2003   First Named Inventor   Belford T. Coursey   Examiner Name   Mark V. Prently   Art Unit   2822   Attorney Docket No.   2001-1018.01/US    METHOD OF PAYMENT (check all that apply)   Check   Credit Card   Money Order   None   Other (please identify);   Deposit Account Deposit Account Number 13-3092   Deposit Account Name. Micron Technology, Inc.   For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)  | 1  |           |                         |          | T  |       |                 |                |  |
| FIGURE TOTAL AMOUNT OF PAYMENT  (\$) 0 Attorney Docket No. 2822  Attorney Docket No. 2001-1018.01/US  METHOD OF PAYMENT (check all that apply)  Check Credit Card Money Order None Other (please identify):  Deposit Account Deposit Account Number 13-3092 Deposit Account Name. Micron Technology, Inc.  For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)  Analyse (see (s) indicated below Credit Card Information should not be included on this form. Provide credit card information and authorization on PTO-2838.  TEC ALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)  1. BASIC FILING, SEARCH, AND EXAMINATION FEES FILING FEES SEARCH FEES SEARCH FEES SEARCH FEES SEARCH FEES SMAIL Entity  Application Type Fee (s) Fe  |  |           |                         |          |  |       | <del></del>     |                |  |
| Application trains small entity slatus. See 37 CFR 1.27     TOTAL AMOUNT OF PAYMENT (\$) 0   Other (please identify):  |  |           |                         |          |  |       |                 |                |  |
| Art Unit   2822  |  |           |                         |          | · · · · · · · · · · · · · · · · · · ·  |       |                 |                |  |
| METHOD OF PAYMENT (check all that apply)  □ Check □ Credit Card □ Money Order □ None □ Other (please identify):□ □ Deposit Account Deposit Account Number. 13-3092 □ Deposit Account Name. Micron Technology, Inc. □ For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) □ Charge fee(s) indicated below □ Charge fee(s) indicated below, except for the filling fee □ Charge fee(s) □ Charge fee(s) indicated below, except for the filling fee on the fillin  | Applicant claims small entity status. See 37 CFR 1.27  |           |                         |          | Art Unit   |       |                 | <del></del>    |  |
| Check Credit Card Money Order None Other (please identify):    Deposit Account Deposit Account Number. 13:3092 Deposit Account Name: Micron Technology, Inc.   Deposit Account Deposit Account Number. 13:3092 Deposit Account Name: Micron Technology, Inc.   For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)   Charge fee(s) indicated below  | TOTAL AMOUNT OF PAYMENT (\$) 0   |           |                         |          | Attorney Docket  | t No. | 2001-1018.01/US |                |  |
| Check Credit Card Money Order None Other (please identify):    Deposit Account Deposit Account Number. 13:3092 Deposit Account Name: Micron Technology, Inc.   Deposit Account Deposit Account Number. 13:3092 Deposit Account Name: Micron Technology, Inc.   For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)   Charge fee(s) indicated below  | METHOD OF PAYMENT (check all that apply)   |           |                         |          |  |       |                 |                |  |
| Deposit Account Deposit Account Number: 13-3092   Deposit Account Name: Micron Technology, Inc.  |  |           |                         |          |  |       |                 |                |  |
| For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)    Charge fee(s) indicated below   Charge fee(s) indicated below, except for the filing fee   Charge   |  |           |                         |          |  |       |                 |                |  |
| Charge fee(s) indicated below  |  |           |                         |          |  |       |                 |                |  |
| Charge any additional fee(s) or underpayments of fee(s)  WARNINS: Information on this form may become public. Credit card Information should not be included on this form. Provide credit card Information and authorization on PTO-2038.  FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)  1. BASIC FILING, SEARCH, AND EXAMINATION FEES  FILING FEES  Small Entity  Application Type  Fee (S)   |  |           |                         |          |  |       |                 |                |  |
| MARNING: Information on this form may be subject to a surcharge.)  |  |           |                         |          |  |       |                 |                |  |
| Information and authorization on PTO-2038.   FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)  1. BASIC FILING, SEARCH, AND EXAMINATION FEES   FILING FEES   SEARCH FEES   Small Entity   Fee (\$)   Fee (\$                 | under 37 CFR 1.16 and 1.17   |           |                         |          |  |       |                 |                |  |
| 1. BASIC FILING, SEARCH, AND EXAMINATION FEES   Small Entity   Fee (\$)   F | information and authorization on PTO-2038.   |           |                         |          |  |       |                 |                |  |
| Paper  | FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)   |           |                         |          |  |       |                 |                |  |
| Name   |  |           |                         |          |  |       |                 |                |  |
| Application Type   |  |           |                         |          |  |       |                 |                |  |
| Design   200   100   100   50   130   65   | Application Type   |           |                         | Fee (\$) |  | Fee   |                 | Fees Paid (\$) |  |
| Plant   200   100   300   150   160   80   | Utility  | 300       | 150                     | 500      | 250  | 200   | 100             |                |  |
| Reissue 300 150 500 250 600 300  Provisional 200 100 0 0 0 0 0  2. EXCESS CLAIM FEES Fee Description Each claim over 20 (including Reissues) Each independent claim over 3 (including Reissues)  Multiple dependent claims Total Claims  Total Claims  Extra Claims Fee (\$) Fee Paid (\$) HP = highest number of total claims paid for, if greater than 20. Indep. Claims HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)   | Design   | 200       | 100                     | 100      | 50   | 130   | 65              |                |  |
| Provisional 200 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | Plant  | 200       | 100                     | 300      | 150  | 160   | 80              |                |  |
| 2. EXCESS CLAIM FEES Fee Description  Each claim over 20 (including Reissues) Each independent claim over 3 (including Reissues)  Each independent claims  Total Claims  Total Claims  The highest number of total claims paid for, if greater than 20.  Indep. Claims  HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets Number of each additional 50 or fraction thereof  - 100 =   | Reissue  | 300       | 150                     | 500      | 250  | 600   | 300             |                |  |
| Fee (\$)   Fee (\$)   Fee (\$)   | Provisional  | 200       | 100                     | 0        | 0  | 0     | 0               |                |  |
| Each independent claim over 3 (including Reissues)  Multiple dependent claims  Total Claims  Extra Claims  Fee (\$) Fee Pald (\$)  HP = highest number of total claims paid for, if greater than 20.  Indep. Claims  Extra Claims  Fee (\$) Fee Pald (\$)  A (6) - 3 or HP = x = Fee Pald (\$)  HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  -100 = /50 = (round up to a whole number) x = Fee Pald (\$)  Fees Pald (\$)  Fees Pald (\$)  Fees Pald (\$)  Fees Pald (\$)  Other (e.g., late filing surcharge): Response to 12/05/05 Office Action   | Fee Description  |           |                         |          |  |       |                 | Fee (\$)       |  |
| Total Claims  14 - 20 or HP =  | Each independent claim over 3 (including Reissues)   |           |                         |          |  |       |                 |                |  |
| 14   |  |           |                         |          |  |       |                 |                |  |
| HP = highest number of total claims paid for, if greater than 20.  Indep. Claims  4 (6) - 3 or HP = x = HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  - 100 = /50 = (round up to a whole number) x =   4. OTHER FEE(S)  Non-English Specification, \$130 fee (no small entity discount)  Other (e.g., late filing surcharge): Response to 12/05/05 Office Action   |  |           |                         |          |  |       |                 |                |  |
| A (6) - 3 or HP =   x  | HP = highest number of total   |           | or, if greater than 20. |          |  |       | 100 (0)         | 1 00 1 414 (9) |  |
| HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  - 100 =  |  |           |                         |          |  |       |                 |                |  |
| 3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  - 100 =  | HP = highest number of independent claims paid for, if greater than 3.   |           |                         |          |  |       |                 |                |  |
| sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  -100 =  | 3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer                                   |           |                         |          |  |       |                 |                |  |
| 4. OTHER FEE(S) Non-English Specification, \$130 fee (no small entity discount) Other (e.g., late filing surcharge): Response to 12/05/05 Office Action  | sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$) |           |                         |          |  |       |                 |                |  |
|  | 4. OTHER FEE(S)  |           |                         |          |  |       |                 |                |  |
|  | Other (e.g., late filing   | surcharge | e): Response to 12/     | 05/05 O  | ffice Action   |       |                 |                |  |
|  |  |           |                         |          |  |       |                 |                |  |

Registration No. 37,882 Telephone 208-368-4516 Signature (Attorney/Agent) Date March 3, 2006 Name (Print/Type) Kevin D. Martin

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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